

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
16 June 2005 (16.06.2005)

PCT

(10) International Publication Number  
WO 2005/053955 A1

(51) International Patent Classification<sup>7</sup>: B32B 27/32, 7/10, A23B 7/148, A23L 3/3418, B65D 81/20, 85/34, B65B 25/04

MORGAN, Robert, John [AU/AU]; 5 Kiah Mews, Eltham, Victoria 3095 (AU).

(21) International Application Number:  
PCT/AU2004/001706

(74) Agent: F B RICE & CO; 139-141 Rathdowne Street, Carlton, Victoria 3053 (AU).

(22) International Filing Date: 3 December 2004 (03.12.2004)

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language: English

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(26) Publication Language: English

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(71) Applicants (for all designated States except US): COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION [AU/AU]; Limestone Avenue, Campbell, Australian Capital Territory 2601 (AU). STELLAR DEVELOPMENTS PTY LTD [AU/AU]; Corner Toorak and Tooronga Roads, Hawthorn East, Victoria 3123 (AU).

(72) Inventors; and

(75) Inventors/Applicants (for US only): GIBBERD, Mark, Raymond [AU/AU]; 64 Forrest Road, Margaret River, Western Australia 6285 (AU). SYMONS, Peter, James [AU/AU]; 9 Manning Street, Altona, Victoria 3018 (AU).

WO 2005/053955 A1

(54) Title: PROCESSES FOR THE PRODUCTION OF PACKAGING MATERIAL FOR TRANSPORTING AND STORING PERISHABLE GOODS

(57) Abstract: This invention relates to packaging materials comprising a water-impermeable outer layer bonded to a water-absorbent layer and having an inner layer that is water vapour-permeable, and to processes for the manufacture thereof. The invention also provides for the storage and/or transport of perishable goods, and in particular for the storage and transport of horticultural produce such as fruit, vegetables and cut flowers. The present invention also provides a method of regulating the O<sub>2</sub> content in the environment surrounding packaged perishable goods.